

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled BRUSHLESS SPINDLE DC MOTOR USED AS AN ACTUATOR TO CREATE RADIAL FORCE, the specification of which

(check one) ☒ is attached hereto.  
☐ was filed on \_\_\_\_\_ as  
Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>PCT/US97/04197</u> (Application Serial No.)	<u>March 19, 1997</u> (Filing Date)	<u>Pending</u> (Status) (patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status) (patented, pending, abandoned)

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Harold C. Hohbach, Reg. No. 17,757; Aldo J. Test, Reg. No. 18,048; Thomas O. Herbert, Reg. No. 18,612; Donald N. MacIntosh, Reg. No. 20,316; Jerry G. Wright, Reg. No. 20,165; Edward S. Wright, Reg. No. 24,903; David J. Brezner, Reg. No. 24,774; Richard E. Backus, Reg. No. 22,701; James A. Sheridan, Reg. No. 25,435; Robert B. Chickering, Reg. No. 24,286; Gary S. Williams, Reg. No. 31,066; Richard F. Treccartin, Reg. No. 31,801; R. Michael Ananian, Reg. No. 35,050; Douglas J. Crisman, Reg. No. 39,951; Steven F. Caserza, Reg. No. 29,780; William S. Galliani, Reg. No. 33,885; Laura L. Kulhanjian, Reg. No. 33,257; Julian Caplan, 14,785; and Edward P. Heller, III, Reg. No. 29,075; provided that if any one of said attorneys ceases being affiliated with the law firm of Flehr, Hohbach, Test, Albritton & Herbert as partner, employee or of counsel, such attorney's appointment as attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

Direct all telephone calls to James A. Sheridan at (415) 781-1989.

Address all correspondence to:

FLEHR HOHBACH TEST  
ALBRITTON & HERBERT LLP  
Suite 3400, Four Embarcadero Center  
San Francisco, California 94111

File No. A-63367/JAS

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first or sole  
inventor, if any

Gunter K. Heine

Inventor's signature:

Gunter K. Heine  
10-17-97

Date:

Residence:

Aptos, California

Citizenship:

Germany

Post Office Address:

143 Driftwood Court

Aptos, California 95003

Full name of second joint

inventor, if any:

Hans Leuthold

Inventor's signature:

Hans Leuthold  
10/17/97

Date:

Residence:

Santa Cruz, California

Citizenship:

Swiss

Post Office Address:

849 Gharkey Street

Santa Cruz, California 95060

Full name of third joint

inventor, if any:

Christian Fleury

Inventor's signature:

Date:

Residence:

Rossemaison, Switzerland

Citizenship:

Swiss

Post Office Address:

Au Trocher 79, CH-2842

Rossemaison, Switzerland

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **BRUSHLESS SPINDLE DC MOTOR USED AS AN ACTUATOR TO CREATE RADIAL FORCE**, the specification of which

(check one) ☒ is attached hereto.  
☐ was filed on \_\_\_\_\_ as  
Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

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## Prior Foreign Application(s)

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)

## Priority Claimed

<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/US97/04197  
(Application Serial No.)

March 19, 1997  
(Filing Date)

Pending  
(Status)  
(patented, pending, abandoned)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)  
(patented, pending, abandoned)

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Harold C. Hohbach, Reg. No. 17,757; Aldo J. Test, Reg. No. 18,048; Thomas O. Herbert, Reg. No. 18,612; Donald N. MacIntosh, Reg. No. 20,316; Jerry G. Wright, Reg. No. 20,165; Edward S. Wright, Reg. No. 24,903; David J. Brezner, Reg. No. 24,774; Richard E. Backus, Reg. No. 22,701; James A. Sheridan, Reg. No. 25,435; Robert B. Chickering, Reg. No. 24,286; Gary S. Williams, Reg. No. 31,066; Richard F. Trecartin, Reg. No. 31,801; R. Michael Ananian, Reg. No. 35,050; Douglas J. Crisman, Reg. No. 39,951; Steven F. Caserza, Reg. No. 29,780; William S. Galliani, Reg. No. 33,885; Laura L. Kulhanjian, Reg. No. 33,257; Julian Caplan, 14,785; and Edward P. Heller, III, Reg. No. 29,075; provided that if any one of said attorneys ceases being affiliated with the law firm of Flehr, Hohbach, Test, Albritton & Herbert as partner, employee or of counsel, such attorney's appointment as attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

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FLEHR HOHBACH TEST  
ALBRITTON & HERBERT LLP  
Suite 3400, Four Embarcadero Center  
San Francisco, California 94111

File No. A-63367/JAS

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first or sole  
inventor, if any

Gunter K. Heine

Inventor's signature:

Date:

Residence:

Aptos, California

Citizenship:

Germany

Post Office Address:

143 Driftwood Court

Aptos, California 95003

Full name of second joint

inventor, if any:

Hans Leuthold

Inventor's signature:

Date:

Residence:

Santa Cruz, California

Citizenship:

Swiss

Post Office Address:

849 Gharkey Street

Santa Cruz, California 95060

Full name of third joint

inventor, if any:

Christian Fleury

Inventor's signature:

*Christian Fleury*

Date:

October 14 1997

Residence:

Rossemaison, Switzerland

Citizenship:

Swiss

Post Office Address:

An Trocher 79, CH-2842

Rossemaison, Switzerland

FORM PTO-1595

05-01-2000

DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney Docket No. A-63367/JAS

To the Honorable Commissioner

101341699

d original documents or copy thereof.

## 1. Name of conveying party(ies):

Gunter K. Heine, Hans Leuthold, Christian Fleury

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Security Agreement☐ Merger☐ Change of Name

Other: \_\_\_\_\_

## 2a. Name and address of receiving party(ies):

Name: Seagate Technology, Inc.

Address: 920 Disc Drive

Scotts Valley, California 95066

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: 02/29/00, 03/07/00, 03/23/00

## 4. Application number(s) or patent number(s): 09/029,043

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/029,043 filed February 24, 1998

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James A. Sheridan

Address: Flehr Hohbach Test Albritton &amp; Herbert LLP

Four Embarcadero Center, Suite 3400

San Francisco, CA 94111-4187

## 6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed☐ Authorized to be charged to deposit account, if necessary

## 8. Deposit account number:

06-1300 (Order No. A-63367/JAS)

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James A. Sheridan, Reg. No. 25,435  
Name of Person Signing

Signature

Date

Total number of pages including cover sheet: 5

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

(1007773)

04/28/2000 J1ALLAH2 00000054 09029043

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40.00 OP

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

SEA2428.00

RECORDATION FORM COVER SHEET  
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Seagate Technology, Inc.  
920 Disc Drive  
Scotts Valley, CA 95066

2. Name and address of receiving party(ies):

Seagate Technology LLC  
920 Disc Drive  
Scotts Valley, CA 95066

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Additional name(s) & address(es) attached? ☐ Yes ☒ No

2. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date: June 28, 2000

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

09/029,043

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Edward P. Heller  
Address: Seagate Technology LLC  
Intellectual Property, SV15B1  
920 Disc Drive  
Scotts Valley, CA 95066

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our Deposit account number: 19-1038

DO NOT USE THIS SPACE

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Shawn B. Dempster

Name of Person Signing

Signature

June 28, 2000

Date

Total number of pages including cover sheet, attachments, and document: 2

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner for Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231



Practitioner's Docket No. SEASEA2426.00

PATENT

For: U.S. Rights and Foreign Rights  
For: U.S. Application  
By: Present Owner

### ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, effective July 1, 2000

ASSIGNOR:

Seagate Technology, Inc.  
920 Disc Drive  
Scotts Valley, CA 95066  
State or Country of Formation: Delaware

Recorded at Reel Unknown, Frame Unknown

hereby sells, assigns and transfers to

ASSIGNEE:

Seagate Technology LLC  
920 Disc Drive  
Scotts Valley, CA 95066  
Nationality or State/Country of Formation: Delaware

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention and which is found in U.S. application no. 09/029,043 filed on February 24, 1998 and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I have executed this assignment.

June 28, 2000

  
Signature of Assignor

Seagate Technology, Inc.  
Townsend H. Porter  
Executive Vice President



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JUNE 27, 2000

PTAS

FLEHR HOHBACH TEST ALBRITTON  
& HERBERT LLP  
JAMES A. SHERIDAN  
FOUR EMBARCADERO CENTER, SUITE 3400  
SAN FRANCISCO, CA 94111-4187



\*101341699A\*

jc840 U.S. PTO  
09/764766  
01/16/01

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/10/2000

REEL/FRAME: 010733/0741  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HEINE, GUNTER K.

DOC DATE: 02/29/2000

ASSIGNOR:

LEUTHOLD, HANS

DOC DATE: 03/07/2000

ASSIGNOR:

FLEURY, CHRISTIAN

DOC DATE: 03/23/2000

ASSIGNEE:

SEAGATE TECHNOLOGY, INC.  
920 DISC DRIVE  
SCOTTS VALLEY, CALIFORNIA 95066

SERIAL NUMBER: 09029043  
PATENT NUMBER:

FILING DATE: 02/24/1998  
ISSUE DATE:

010733/0741 PAGE 2

KIMBERLY WHITE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

## ASSIGNMENT

WHEREAS, GUNTER K. HEINE, residing at 143 Driftwood Court, Aptos, California 95003, HANS LEUTHOLD, residing at 849 Gharkey Street, Santa Cruz, California 95060, and CHRISTIAN FLEURY, residing at Au Trocher 79, CH-2842, Rossemaison, Switzerland, has invented certain new and useful improvements in BRUSHLESS SPINDLE DC MOTOR USED AS AN ACTUATOR TO CREATE RADIAL FORCE and has executed concurrently herewith a Declaration for a United States patent application on the invention; and

Whereas, Seagate Technology, Inc. a corporation of the State of Delaware, having a place of business at 920 Disc Drive, Scotts Valley, CA 95066, State of California, (hereinafter referred to as assignee) is desirous of acquiring the entire right, title, and interest in and to said invention, said application and the Letters Patent to be obtained therefor;

Now, therefore, for and in consideration of One Dollar and other good and valuable considerations, to me in hand paid, the receipt and sufficiency whereof are hereby acknowledged, I have sold, assigned, and set over and by these presents do hereby sell, assign, and set over unto the said Seagate Technology, Inc. and said assignee's legal representatives, successors and assigns, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both foreign and domestic, that may or shall issue thereon; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the above-mentioned assignee agreeably with the terms of this assignment.

I hereby authorize the above-mentioned assignee or its legal representative to insert in this instrument the filing date and serial number of our said application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Upon said consideration, I convey to said assignee the right to make application in its own behalf for protection of said invention in countries foreign to the United States and where expedient to claim under the International Convention or other international arrangement for any such application the date of the said United States application (or other application if any there be) in priority to other applications; and I do hereby covenant and agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that we will at any time upon request, without further or additional consideration, but at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional renewal, reissued or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or chose in action accruing as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of both parties.

IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee on the date set forth below.

Dated: February 29<sup>th</sup>, 2000

Gunter K. Heine  
GUNTER K. HEINE

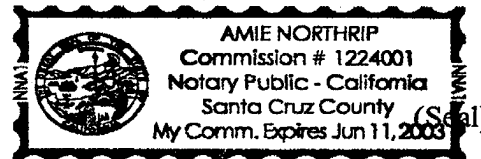
State of California }

County of Santa Clara }

On this 29<sup>th</sup> day of February, in the year 2000, before me, Amie Northrip, Notary Public of the State of California in the County of Santa Clara, personally appeared **GUNTER K. HEINE**, personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person whose name is subscribed to the within instrument, and acknowledged that ~~he/she~~ executed the same in ~~his/her~~ authorized capacity(~~ies~~), and that by ~~his/her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Amie Northrip



IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee on the date set forth below.

Dated: March 7<sup>th</sup>, 2000

Hans Leuthold  
HANS LEUTHOLD

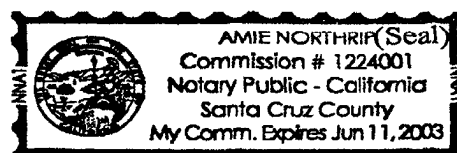
State of California }

County of Santa Clara }

On this 7<sup>th</sup> day of March, in the year 2000, before me, Amie Northrip, Notary Public of the State of California in the County of Santa Clara, personally appeared **HANS LEUTHOLD**, personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person whose name is subscribed to the within instrument, and acknowledged that ~~he/she~~ executed the same in ~~his/her~~ authorized capacity(~~ies~~), and that by ~~his/her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Amie Northrip



23/0 00 JEU 09:48 FAX 41 21 2687

EPFL-LEME

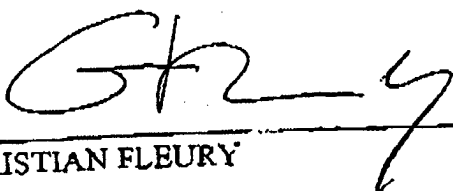
004

MAR 21 2000 10:12 FR SEAGATE LEGAL

831 438 7132 TO 01141219489701 P.04/05

IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee on the date set forth below.

Dated: 3/23/2000  
MARCH 23/2000

  
CHRISTIAN FLEURY

MAR 21 2000 10:12 FR AGATE LEGAL

831 438 7132 TO 41219489701 P.05/05

U.S. Patent Application Assignment

Attorney Docket No.: SEA 2426

Inventor(s): Gunter Heine, Hans Leuthold and Christian Fleury

Entitled: BRUSHLESS SPINDLE DC MOTOR USED AS AN ACTUATOR TO CREATE  
RADIAL FORCE

*Witnesses For Christian Fleury*

DATE: MARCH 23 / 2000

WITNESS: Ch. Kuent

PRINT NAME: Christoph Kuent

DATE: MARCH 23 / 2000

WITNESS: Fleury

PRINT NAME: Frédéric Bouvin